

Sensor development in EC funded projects: FP6 to Horizon Europe

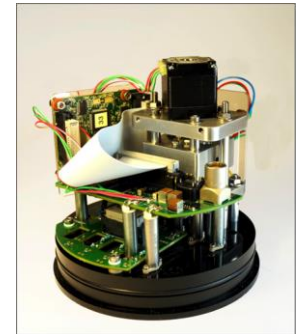
Professor Doug Connelly



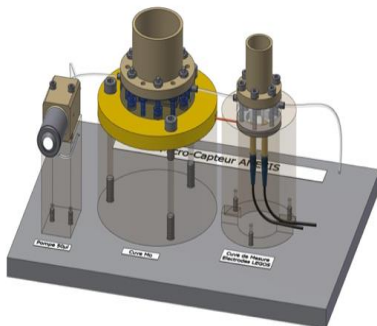
FP6/7



- MOMARnet: Monitoring deep seafloor hydrothermal environments on the Mid-Atlantic Ridge FP6
- SENSEnet: International sensor development network FP7 16 PhD and one Post-Doc, 15 labs and 2 SME's
- SenseOcean: FP7 12 partners, 5 SME's



Lab on chip sensor
(image courtesy
OTE Group, NOC)



Silicate sensor prototype
developed by CNRS (image
courtesy CNRS)



H2020

- AtlantOS: Optimising and Enhancing the Integrated Atlantic Observing System. H2020
- STEMM-CCS: Strategies for the environmental monitoring of Marine CCS
- TechOcean: Technologies for ocean sensing. H2020

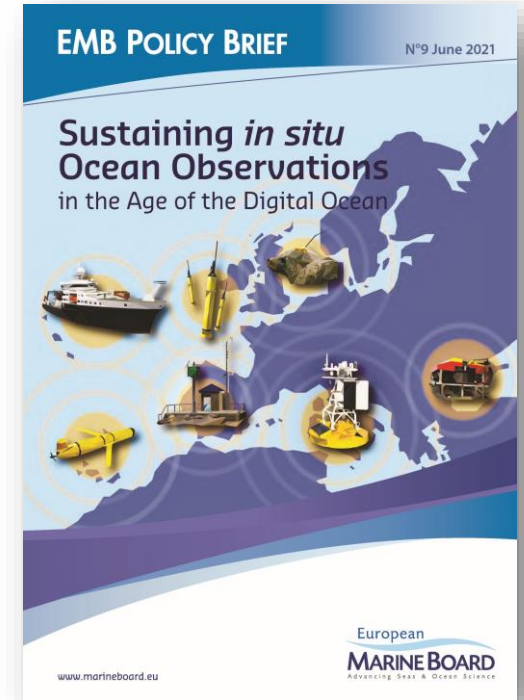


The Future

- Horizon Europe already have calls around technology development e.g.

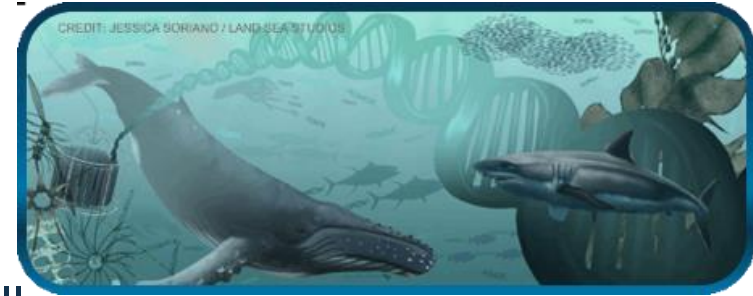
HORIZON-INFRA-2022-TECH-01-01: Next generation of scientific instrumentation, tools and methods

HORIZON-CL6-GEO-2022-00-00: New technologies for acquiring in-situ observational datasets to address climate change effects



Lessons learnt from the successful translation of research into commercialisation

- Science push
- Commercial pull
- Get companies involved. Large and small
- Work with the best



Thank You

